

CLAIMS

What is claimed is:

1. A wobble inversion detector, comprising:
5 a tuned circuit having an input and an output and a wobble signal applied to
said input and said output changes in amplitude when a wobble
inversion occurs on said wobble signal.
2. The wobble inversion detector of claim 1 wherein said wobble signal has a
10 monotone wobble frequency and said tuned circuit has a natural
frequency that is less than said monotone wobble frequency.
3. The wobble inversion detector of claim 2 wherein said tuned circuit is
approximately critically damped.
- 15 4. The wobble inversion detector of claim 2 wherein said tuned comprises:
an inductance in series with a resistance between said input and said output;
and,
a capacitance from said output to a common node.
- 20 5. The wobble inversion detector of claim 1 further comprising a threshold
detector coupled to said output that detects said changes in amplitude.
6. A method of detecting wobble inversions, comprising:
25 applying a wobble signal having a monotone wobble frequency to a tuned
circuit having an output, wherein said tuned circuit has a natural

frequency that is within an octave of said monotone wobble frequency;
and,
detecting amplitude changes on said output.

5 7. The method of claim 6 wherein said tuned circuit is approximately
critically damped.

8. The method of claim 6 wherein said tuned circuit comprises:
an inductance in series with a resistance between said input and said output;
10 and,
a capacitance from said output to a common node.

9. The method of claim 8 wherein detecting amplitude changes is
accomplished with a circuit that includes a threshold level detector.

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